

What is claimed is:

1. A fixing device without screws, for fixing in place a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the fixing device comprising:
  - a first plastic hook;
  - a plastic fixture, for clamping the tail piece of the protocol-control-information long card, wherein the plastic fixture and the first plastic hook collectively set up the protocol-control-information long card; and
  - a plastic fan guard, connected to the plastic fixture and the first plastic hook, for fixing the fan in place.
- 15 2. The fixing device without screws of claim 1, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.
- 20 3. The fixing device without screws of claim 1, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.
- 25 4. The fixing device without screws of claim 1, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.
5. A fixing device without screws, for fixing in place a fan and a

protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the fixing device comprising:

5 a first plastic hook;

10 a plastic fixture, for clamping the tail piece of the protocol-control-information long card, wherein the plastic fixture and the first plastic hook collectively set up the protocol-control-information long card; and

15 a plastic fan guard, connected to the plastic fixture and the first plastic hook, for fixing the fan in place, wherein the plastic fan guard has a first air port and a second air port for respectively radiating heat from the protocol-control-information long card and a hard disk, and wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.

20 6. An assembly, for fixing in place a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating heat from a hard disk and the protocol-control-information long card, the assembly comprising:

25 a plastic fixture, for clamping the tail piece of the protocol-control-

information long card; and

a plastic fan guard, connected to the plastic fixture, for fixing the fan.

7. The assembly of claim 6, wherein the plastic fixture is a plastic clamp.

25 8. The assembly of claim 8, further comprising a first plastic hook, wherein the first plastic hook and the plastic clamp collectively fix the protocol-

control-information long card.

9. The assembly of claim 6, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the  
5 cavity.

10. The assembly of claim 6, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.

10 11. The assembly of claim 6, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.

12. A fixing device without screws, for fixing a fan and a protocol-control-information long card having a tail piece, wherein the fan is for radiating  
15 heat from a hard disk and the protocol-control-information long card, the fixing device comprising:

a plastic fan guard for fixing the fan; and  
a plastic fixture, for clamping the tailpiece of the protocol-control-information long card.

20 13. The fixing device of claim 12, further comprising a first plastic hook, wherein the first plastic hook and the plastic clamp collectively fix the protocol-control-information long card.

25 14. The fixing device of claim 12, wherein the plastic fan guard has a first air port for radiating heat from the protocol-control-information long card.

15. The fixing device of claim 14, wherein the plastic fan guard has a second air port for radiating heat from a hard disk.

5        16. The fixing device of claim 12, wherein the plastic fan guard further comprises a cavity having two second plastic hooks for fixing the fan into the cavity.